ELSEVIER

Journal of Contaminant Hydrology 46 (2000) 375–376

JOURNAL OF
Contaminant
Hydrology

www.elsevier.com/locate/jconhyd

Contents Volume 46, 2000

VOL. 46, NOS. 1–2

Research papers

Surfactant enhanced solubilization of residual trichloroethene: an experimental and numerical analysis
J. Schaerlaekens, J. Vanderborght, R. Merckx and J. Feyen 1
Comparison of multimedia model predictions for a contaminant plume migration scenario
E.K. Gnanapragasam, C. Yu, G. Whelan, W.B. Mills, J.P. McDonald, C.S. Lew, C.Y. Hung and D. Hoffmeyer 17
Solute transport through preferential pathways in municipal solid waste
H. Rosqvist and G. Destouni 39
Influence of the presence of PAHs and coal tar on naphthalene sorption in soils
R. Bayard, L. Barna, B. Mahjoub and R. Gourdon 61
The effects of electron donor and granular iron on nitrate transformation rates in sediments from a municipal water supply aquifer
J.F. Devlin, R. Eedy and B.J. Butler 81
Groundwater flow and radionuclide transport calculations for a performance assessment of a low-level waste site
K.H. Birdsell, A.V. Wolfsberg, D. Hollis, T.A. Cherry and K.M. Bower 99
Effect of cation exchange on surfactant-enhanced solubilization of trichloroethene
J.A. Field, T.E. Sawyer, M.H. Schroth, M.D. Humphrey and J.D. Istok 131
Effect of temporal variability in infiltration on contaminant transport in the unsaturated zone
J.D. Marshall, B.W. Shimada and P.R. Jaffe 151
Fate and transport of species in a linear reaction network with different retardation coefficients
G.R. Eykholt and L. Li 163
Combining coring and suction cup data to improve the monitoring of pesticides in sandy vadose zones: a field-release experiment
B.M. Patterson, P.D. Franzmann, J.L. Rayner and G.B. Davis 187

VOL. 46, NOS. 3–4

Research papers

Slow advection and diffusion through low permeability inclusions
A.J. Guswa and D.L. Freyberg 205
Evaluation of vadose zone biodegradation of BTX vapours
I. Hers, J. Atwater, L. Li and R. Zapf-Gilje 233
Multispectral image analysis method to determine dynamic fluid saturation distribution in two-dimensional three-fluid phase flow laboratory experiments
C. Kechavarzi, K. Soga and P. Wiart 265
Experimental study of the transport properties of rough self-affine fractures
F. Plouraboué, P. Kurowski, J.-M. Boffa, J.-P. Hulin and S. Roux 295

Multicomponent transport of major cations predicted from binary adsorption experiments
A. Voegelin, V.M. Vulava, F. Kuhnen and R. Kretzschmar 319
Biodegradation modelling of a dissolved gasoline plume applying independent laboratory and field parameters
M. Schirmer, J.W. Molson, E.O. Frind and J.F. Barker 339

Contents Volume 46, 2000 375